

WHAT IS CLAIMED IS:

1. A recording medium having a data structure for managing a data stream representing a title, comprising:

a navigation area storing navigation data associated with a data stream representing a portion of the title, the navigation data indicating whether the data stream for the portion of the title represents multiple reproduction paths.

2. The recording medium of claim 1, wherein the navigation data further indicates a number of the reproduction paths represented by the data stream when the data stream represents multiple reproduction paths.

3. The recording medium of claim 2, further comprising:

a data area storing clip files of the data stream, each clip file representing one of the multiple reproduction paths of the portion of the title when the navigation data indicates the data stream for the portion represents multiple reproduction paths.

4. The recording medium of claim 3, wherein the multiple reproduction paths include multiple camera angles of video data.

5. The recording medium of claim 1, further comprising:

a data area storing clip files of the data stream, each clip file representing one of the multiple reproduction paths of the portion of the title when the navigation data indicates the data stream for the portion represents multiple reproduction paths.

6. A recording medium having a data structure for managing a data stream representing multiple reproduction paths of at least a portion of a title, comprising:

a data area storing clip files of the data stream representing the multiple reproduction paths of the multiple reproduction path portion of the title, each clip file associated with a different one of the multiple reproduction paths, and the clip files being stored interleaved with one another.

7. The recording medium of claim 6, further comprising:

a navigation area storing navigation data, the navigation data indicating that the multiple reproduction path portion of the title has multiple reproduction paths.

8. The recording medium of claim 7, wherein the navigation data further indicates a number of the reproduction paths for the multiple reproduction path portion of the title when the multiple reproduction path portion of the title has multiple reproduction paths.

9. The recording medium of claim 8, wherein the navigation data is associated with at least one of the clip files.

10. The recording medium of claim 8, wherein the multiple reproduction paths include multiple camera angles of video data.

11. The recording medium of claim 6, further comprising:

a navigation area storing navigation data, the navigation data indicating a number of the reproduction paths for the multiple reproduction path portion of the title.

12. The recording medium of claim 6, wherein one of the clip files represents a main reproduction path and represents at least one of a prior and subsequent portion of the title with respect to the multiple reproduction path portion.

13. The recording medium of claim 6, wherein the data area further stores another clip file representing a single reproduction path portion of the title at least one of prior and subsequent to the multiple reproduction path portion.

14. The recording medium of claim 6, wherein the multiple reproduction paths include multiple camera angles of video data.

15. A recording medium having a data structure for managing data streams representing multiple reproduction paths of a title, comprising:

a data area storing a clip file of the data stream for each reproduction path such that where the reproduction paths represent a same portion of the title, the portions of the clip files representing the same portion of the title are interleaved.

16. A method of recording a data structure for managing a data stream representing a title, comprising:

recording navigation data on the recording medium, the navigation data associated with a data stream representing a portion of the title, the navigation data indicating whether the data stream for the portion of the title represents multiple reproduction paths.

17. A method of reproducing a data structure for managing a data stream representing a title recorded on a recording medium, comprising:

reproducing navigation data from the recording medium, the navigation data associated with a data stream representing a portion of the title, the navigation data indicating whether the data stream for the portion of the title represents multiple reproduction paths.

18. An apparatus for recording a data structure for managing a data stream

representing a title, comprising:

a driver for driving an optical recording device to record data on the recording medium;

a controller for controlling the driver to record navigation data on the recording medium, the navigation data associated with a data stream representing a portion of the title, the navigation data indicating whether the data stream for the portion of the title represents multiple reproduction paths.

19. An apparatus for reproducing a data structure for managing a data stream representing a title recorded on a recording medium, comprising:

a driver for driving an optical reproducing device to reproduce data recorded on the recording medium;

a controller for controlling the driver to reproduce navigation data from the recording medium, the navigation data associated with a data stream representing a portion of the title, the navigation data indicating whether the data stream for the portion of the title represents multiple reproduction paths.